



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,563	05/31/2007	Magnus Karlsson	P72001S	7965

136	7590	11/10/2009
JACOBSON HOLMAN PLLC 400 SEVENTH STREET N.W. SUITE 600 WASHINGTON, DC 20004		

EXAMINER	
ISSING, GREGORY C	

ART UNIT	PAPER NUMBER
3662	

MAIL DATE	DELIVERY MODE
11/10/2009	PAPER #2

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
---------------	-------------	-----------------------	---------------------

EXAMINER

ART UNIT	PAPER NUMBER
----------	--------------

DATE MAILED:

This is a communication from the examiner in charge of your application
COMMISSIONER OF PATENTS AND TRADEMARKS

NOTICE OF ALLOWABILITY (FORM D-10)

This application is now in a condition for allowance, and the prosecution is closed.

However, in view of the Secrecy Order issued: 11/5/09

issued under 35 USC (1952) 181, this application will be withheld from issue during
such period as the national interest requires.

The allowable claims are: 1-5 and 7-18.

/Gregory C. Issing/

Attachments: (1) PTO-1449
(2) PTO-892
(3) Examiner Comments

Art Unit: 3662

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mankowski et al (*Efficiency Results from a Coaxial Vircator Using a Simple Feedback Technique*) disclose a coaxial vircator including a cylindrical cathode and coaxial cylindrical anode and further includes reflecting plates within the geometry of the coaxial vircator. Crawford et al (*Cylindrically-Symmetric Virtual Cathode Oscillator High-Power Microwave Source*) disclose a conventional vircator design. Shao et al (*Characterization of Modes in Coaxial Vircator*) disclose a high power microwave pulse generator using a coaxial vircator. Alyokhin et al (*Theoretical and Experimental Studies of Virtual Cathode Microwave Devices*) provides a review of virtual cathode devices including vircator devices. Minich (4,751,429) disclose a high-power microwave generator including a cylindrical cathode and a coaxial cylindrical anode.

2. Claims 1-5 and 7-18 are allowable over the prior art of record.

3. It is noted that Claim 6 is "canceled". The status indicator "omitted" is improper; the correct status indicator is "canceled".

4. It is noted that prior to issue, a replacement Figure 1 is required providing the indicator "Prior Art" since Figure 1 represents only that which is known, see specification, page 3, lines 27-28.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory C. Issing whose telephone number is (571)-272-6973. The examiner can normally be reached on Monday - Thursday 6:00 AM- 4:30 PM.

Art Unit: 3662

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Tarcza can be reached on (571)-272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gregory C. Issing/
Primary Examiner
Art Unit 3662

Gci